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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,607	07/17/2007 Sergej Lopatin		LOPA3010/FJD	3404
23364 BACON & THO	7590 04/25/200 OMAS, PLLC	EXAMINER		
625 SLATERS	LANE	GORDON, BRYAN P		
FOURTH FLO ALEXANDRIA	=		ART UNIT	PAPER NUMBER
			2834	
		MAIL DATE	DELIVERY MODE	
			04/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.		Applicant(s)				
Office Action Summary			10/591,607	7	LOPATIN, SERG	LOPATIN, SERGEJ		
			Examiner		Art Unit			
			BRYAN P.		2834			
Period fo	The MAILING DATE of this commun or Reply	nication app	ears on the	cover sheet with the	correspondence a	ddress		
WHIC - Exter after - If NC - Failu Any r	CRTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE IN INSIGN SIX (6) MONTHS from the mailing date of this compared for reply is specified above, the maximum is the to reply within the set or extended period for reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DA s of 37 CFR 1.13 munication. tatutory period w y will, by statute,	ATE OF THI 66(a). In no ever ill apply and will cause the applic	S COMMUNICATION It, however, may a reply be to expire SIX (6) MONTHS from the cation to become ABANDON	N. imely filed in the mailing date of this ED (35 U.S.C. § 133).			
Status								
1) 又	Responsive to communication(s) file	ed on <i>17 Ju</i>	lv 2007					
•		2b)⊠ This		n-final.				
3)		′—			rosecution as to th	e merits is		
٥,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims		•	•				
· ·		annligation						
•	Claim(s) <u>8-14</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.							
·	Claim(s) <u>8-14</u> is/are rejected.							
•	Claim(s) is/are objected to.							
8)[_]	Claim(s) are subject to restri	ction and/or	election re	quirement.				
Applicati	on Papers							
9)□	The specification is objected to by th	ne Examiner	r.					
10)🛛	The drawing(s) filed on <u>17 July 2007</u>	<u>7</u> is/are: a)[accepted	or b)⊠ objected to	by the Examiner.			
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority ເ	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (l nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>05 September 2006, 17 Jui</u>			4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:	Date			



Application No.

Art Unit: 2834

DETAILED ACTION

Drawings

1. The drawings are objected to because the drawings in there present form they are very difficult to ready. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

Art Unit: 2834

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- 3. Claims 8-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Brutschin (PG Pub 20030159506).
- 4. Considering claim 8, Brutschin (Figures 1 + 2a) teaches a membrane (5) an oscillatable unit (2) secured to said membrane; a sending/receiving unit (6), which excites said oscillatatable unit to oscillate and which receives oscillations of said oscillatable unit; a control/evaluation unit (10), which, on the basis of the oscillations of said oscillatable unit, monitors and/or determines the process variable, wherein; said sending/receiving unit comprises a disk-shaped, piezoelectric element (15); and said disk-shaped, piezoelectric element has at least two segments, which are essentially polarized oppositely to one another (paragraph 0044) and at least two electrodes (18, 20) of opposite polarity are applied to the side of said disk-shaped, piezoelectric element facing away from said membrane.
- 5. Considering claim 9, Brutschin teaches the claimed invention as described above in claim 8.
- 6. Considering claim 10, Brutschin teaches the claimed invention as described above in claim 8.
- 7. Considering claim 11, Brutschin teaches the claimed invention as described above in claim 8.
- 8. Considering claim 12, Brutschin teaches the claimed invention as described above in claim 8.

Art Unit: 2834

9. Considering claim 13, Brutschin teaches the said membrane at least partially with a conductive coating (paragraph 0043).

10. Considering claim 14, Brutschin teaches the side facing said membrane is connected electrically conductively with ground (paragraph 0039).

Conclusion

- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRYAN P. GORDON whose telephone number is (571)272-5394. The examiner can normally be reached on Monday-Thursday 8:00-5:30, Friday 7:30-4:00.
- 12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Art Unit: 2834

/B. P. G./ Examiner, Art Unit 2834 /Bryan P Gordon/ Examiner, Art Unit 2834

/Darren Schuberg/ Supervisory Patent Examiner, Art Unit 2834